
CURRICULUM VITAE

Personal Details

Full name : Niek Marks
Sex : Male
Date of birth : 04-12-1988
Place of birth : Amstelveen
Nationality : Dutch

Education

- 2011 – current **TU-Delft - Master Integrated Product Design**
- 2009 - 2010 **TU-Delft - Minor “Advanced prototyping”** – Average grade: 7.8
- 2007 - 2010 **TU-Delft - BSC Industrial design** - Average grade: 7.6
- 2001 - 2007 **Alkwin Kollege Uithoorn**
- Exam profile: N&G, N&T
 - Average grade: 7,9

Professional experience

- 2011 – current **TU-Delft – Employee of the workshop**
- Instructor during conventional and CNC milling and lathe instructions.
 - Responsible for supporting students their creation of their prototypes. This includes:
 - o Milling and/or lathe working
 - o Managing Lasercutters, 3D-Printers, CNC mills & CNC lathes
 - o Basic welding jobs
- 2013 **BAR Rotterdam – Head of bar staff**
- Manager during the evening and night in a large scale bar (max 600 visitors)
- 2012 **Bling systems & Erasmus MC – Technical detailing**
- Responsible for the design and modelling of a test setup for the observation of the accommodation of a child’s eye.
- 2012 **Designstudio Mieke Cuppen – 3D-modeling**
- Modeling an organic tableware collection in Rhinoceros.
 - Preparing the made models for 3d-printing
- 2012 – 2013 **TU-Delft - Student assistant Rhinoceros**
- Responsible for tutoring and grading master students during a course where they learned the basics of rhinoceros.
 - Responsible for checking student models and preparing them for 3d-printing
- 2011 – 2012 **Studio Ninaber - Internship**
- Responsible for basic prototyping work for the studio.
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- Retrofitted a conventional Aciera F3 milling machine to CNC machine.
 - o This included replacing all the spindles, mounts and nuts
 - o Installation of an automatic lubrication system
 - o Design and fabrication of tolerance free motor supports
- 2010 - 2011 **TU-Delft & NS-Reizigers – Prototype builder for project: “hygiënisch treintoilet”**
 - Responsible for the design and realisation of a 1:1 scale model of a Dutch railway train to be used as testing environment
- 2009 – 2011 **BlueDot Foundation – Board member**
 - As board member I have been responsible for help students bring their product to the market. This included
 - o Producing the first prototype
 - o Producing the first series of products
 - o Responsible for guiding the up scaling process of a product.
- 2008 – 2011 **Cultuurpodium Ciccionina - Bartender**
- 2004 - 2012 **Sailing school Aalsmeer – Instructor**
 - Instructor for multiple disciplines of sailing and windsurfing
 - Responsible for training new instructors

Nevenactiviteiten

- 1998 - 2010 **Volunteer at the Prins Willem Alexander riding school for disabled**
 - Helping disabled drivers during their lessons

Skills

Driving license	B (since 2007)
Linguistic	Dutch <ul style="list-style-type: none"> - Spoken: native - Written: native English: <ul style="list-style-type: none"> - Spoken: Fluent - Written: Fluent German: <ul style="list-style-type: none"> - Spoken: Average - Written: Average
Software	Graphic tools <ul style="list-style-type: none"> - <i>Adobe Photoshop</i> - <i>Adobe Indesign</i> - <i>Adobe Illustrator</i> 3D modelling <ul style="list-style-type: none"> - <i>Solidworks (inc. Simulation & Photoworks 360)</i> - <i>Rhinoceros (V4 & V5) (inc. T-splines)</i> Render software <ul style="list-style-type: none"> - <i>Keyshot</i> - <i>Photoview 360</i> Preparing and processing 3d-prints & 3d-scans <ul style="list-style-type: none"> - MeshLab - Netfabb - Geomagic

**Prototyping
Techniques**

Conventional lathe working

- *Extensive experience in working with Aluminium and steel.*
- *Experience working with plastics and stainless steel*

Conventioneel milling

- Extensive experience milling aluminium, steel and plastics

CNC-milling

- Preparing and controlling cnc-milling machines capable of milling foam, plastics and wood

MIG/MAG-welding

- *Basic experience with welding metal*

Basic electronic knowledge

- Knowledge of basic components and principles
- Experience with soldering and working with electronic components

3d-printing

- Preparation of models for 3d-printing
- Managing FDM-printers

Laser cutting

- Preparation of designs for laser cutting
- Managing laser cutters

Hobbies/Interests

Prototyping

- Designed and build my own 3d-printer
- Fascination for manufacturing techniques and materials